

Title (en)

POLY(BUTYLENE-CO-ADIPATE TEREPHTHALATE), METHOD OF MANUFACTURE AND USES THEREOF

Title (de)

POLY(BUTYLEN-CO-ADIPATEREPHTHALAT), VERFAHREN ZU SEINER HERSTELLUNG UND VERWENDUNG

Title (fr)

POLY(BUTYLÈNE-CO-ADIPATE TÉRÉPHTALATE), PROCÉDÉ DE FABRICATION ET SES UTILISATIONS

Publication

EP 2820063 A1 20150107 (EN)

Application

EP 12816214 A 20121228

Priority

- US 201213409898 A 20120301
- US 2012071904 W 20121228

Abstract (en)

[origin: US2013231420A1] A method for preparing poly(butylene terephthalate-co-adipate) copolymer by polymerizing 1,4-butane diol, an adipic acid component and an aromatic dicarboxy compound derived from polyethylene terephthalate, and a polyester component residue in the presence of a catalyst under conditions effective to form poly(butylene terephthalate-co-adipate) oligomers; adding a quencher; and reacting the quenched poly(butylene terephthalate-co-adipate) oligomers with a chain extender.

IPC 8 full level

C08G 63/00 (2006.01); **C08G 63/78** (2006.01); **C08G 67/00** (2006.01); **C08J 11/04** (2006.01)

CPC (source: EP US)

C08G 18/4216 (2013.01 - EP US); **C08G 18/4225** (2013.01 - EP US); **C08G 18/73** (2013.01 - EP US); **C08G 63/183** (2013.01 - EP US); **C08G 63/78** (2013.01 - EP US); **C08G 63/916** (2013.01 - EP US); **C08K 5/05** (2013.01 - EP US); **C08K 5/101** (2013.01 - EP US); **C08L 3/00** (2013.01 - US); **C08L 67/02** (2013.01 - US); **C08L 67/04** (2013.01 - US); **C08L 69/00** (2013.01 - US); **C08L 77/12** (2013.01 - US); **C09D 167/00** (2013.01 - US); **C09D 167/04** (2013.01 - US); **C09D 169/00** (2013.01 - US); **C09D 177/12** (2013.01 - US); **C08L 2205/02** (2013.01 - US); **Y02P 20/582** (2015.11 - EP US)

Citation (search report)

See references of WO 2013130174A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

US 2013231420 A1 20130905; **US 9034983 B2 20150519**; CN 104144966 A 20141112; EP 2820063 A1 20150107; EP 2820063 B1 20170419; JP 2015511979 A 20150423; JP 5818185 B2 20151118; US 2015210803 A1 20150730; US 9487625 B2 20161108; WO 2013130174 A1 20130906

DOCDB simple family (application)

US 201213409898 A 20120301; CN 201280071054 A 20121228; EP 12816214 A 20121228; JP 2014559888 A 20121228; US 2012071904 W 20121228; US 201514676977 A 20150402